Quizz #2

Nom

```
first_name = ["Pierre", "Paul", "Jacques"].sample
last name = "Paillard"
puts "Great! #{first_name} #{last_name} is born"
1.
2.
Q2 - What's a constructor initialize? When is it called and what's its purpose?
Q3 - Consider this code. What's the difference between string and string?
 string = String.new("Hello World")
```

Q4 - What does this method do?

```
def mystery_method(pets)
 mammal_pets = []
 for pet in pets
   mammal_pets << pet if pet.mammal?</pre>
 end
 return mammal pets
```

Q5 - Re-implement previous method mystery method using a nice iterator instead.

Q6 - What's the class of the elements of the `pets` array according to you? Implement the class Animal with a constructor and an instance method `mammal?` so that it works with the
`mystery_method`.
Q7 - Write a class Dog which inherits from Animal. What should be its `mammal?` method?
Q8 - What's special with the overview method? Is it a class method or an instance method same question with swim.
class Fish
<pre>def self.overview()</pre>
return "Fishes can live in the sea"
end
def swim
I'm swimming end
ena end
enu
Q9 - Please, write some code calling both methods overview and swim.
<u> </u>

Q10 - Let's define 2 classes, Liquid and Alcohol.

```
class Liquid
  def drink
    puts "You drank some liquid"
  end
  def evaporate
    puts "There is no more liquid"
  end
end

class Alcohol < Liquid
  def drink
    puts "You are now drunk"
  end
end</pre>
```

What is printed line 2 and 3 of the following ruby script?

```
beer = Alcohol.new
beer.drink
beer.evaporate
```

```
2.
3.
```

```
class Liquid
  def drink
    puts "You drank some liquid"
  end
  def evaporate
    puts "There is no more liquid"
  end
end

class Alcohol < Liquid
  def drink
    super
    puts "You are now drunk"
  end
end</pre>
```

Same question with this new drink method. What is printed on line 2 and 3.

beer = Alcohol.new
beer.drink
beer.evaporate
2. 3.